\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=9; day=14; hr=12; min=31; sec=50; ms=839; ]

\_\_\_\_\_\_

## Validated By CRFValidator v 1.0.3

Application No: 09772445 Version No: 3.0

Input Set:

Output Set:

**Started:** 2009-08-31 15:15:46.417

**Finished:** 2009-08-31 15:15:46.835

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 418 ms

Total Warnings: 3

Total Errors: 0

No. of SeqIDs Defined: 19

Actual SeqID Count: 19

Error code		Error Description								
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(8)
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(9)
W	402	Undefined	organism	found	in	<213>	in	SEQ	ID	(17)

## SEQUENCE LISTING

```
<110> Kleinman, Hynda K.
     Goldstein, Allan L.
      Malinda, Katherine M.
      Sosne, Gabriel
<120> Thymosin Beta 4 Promotes Wound Repair
<130> 2600-109
<140> 09772445
<141> 2001-01-29
<150> PCT/US99/17282
<151> 1999-07-29
<150> 60/094,690
<151> 1998-07-30
<160> 19
<170> PatentIn version 3.5
<210> 1
<211> 6
<212> PRT
<213> Homo sapiens
<400> 1
Leu Lys Lys Thr Glu Thr
<210> 2
<211> 43
<212> PRT
<213> Homo sapiens
<400> 2
Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys
                      10
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
       20
               25 30
Thr Ile Glu Gln Glu Asp Gln Ala Gly Glu Ser
     35
               40
```

<210> 3 <211> 43

```
<212> PRT
<213> Homo sapiens
<400> 3
Ala Lys Asp Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
  20 25 30
Thr Ile Glu Gln Glu Lys Gln Ala Gly Glu Ser
 35 40
<210> 4
<211> 43
<212> PRT
<213> Xenopus laevis
<400> 4
Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ala Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
 20 25 30
Thr Ile Glu Gln Glu Lys Gln Ser Thr Glu Ser
    35 40
<210> 5
<211> 41
<212> PRT
<213> Bos taurus
<400> 5
Ala Asp Lys Pro Asp Leu Gly Glu Ile Asn Ser Phe Asp Lys Ala Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Glu
  20 25 30
Thr Ile Glu Gln Glu Lys Gln Ala Lys
35 40
```

<210> 6 <211> 41

```
<212> PRT
<213> Sus scrofa
<400> 6
Ala Asp Lys Pro Asp Met Gly Glu Ile Asn Ser Phe Asp Lys Ala Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Glu
  20 25 30
Thr Ile Glu Gln Glu Lys Gln Ala Lys
35 40
<210> 7
<211> 43
<212> PRT
<213> Homo sapiens
<400> 7
Ala Asp Lys Pro Asp Met Gly Glu Ile Ala Ser Phe Asp Lys Ala Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Glu
20 25 30
Thr Ile Glu Gln Glu Lys Arg Ser Glu Ile Ser
  35
                  40
<210> 8
<211> 41
<212> PRT
<213> Salmo gairdneri
<400> 8
Ser Asp Lys Pro Asn Leu Glu Glu Val Ala Ser Phe Asp Lys Thr Lys
             10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Thr Lys Glu
  20 25 30
Thr Ile Glu Gln Glu Lys Gln Ala Ser
 35
```

<210> 9 <211> 42

```
<212> PRT
<213> Salmo gairdneri
<400> 9
Ser Asp Lys Pro Asp Leu Ala Glu Val Ser Asn Phe Asp Lys Thr Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Thr Lys Glu
  20 25 30
Thr Ile Glu Gln Glu Lys Gln Ala Thr Ala
 35 40
<210> 10
<211> 43
<212> PRT
<213> Perca fluviatilis
<400> 10
Ser Asp Lys Pro Asp Ile Ser Glu Val Thr Ser Phe Asp Lys Thr Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
          25 30
Thr Ile Glu Gln Glu Lys Ala Ala Ala Thr Ser
    35 40
<210> 11
<211> 41
<212> PRT
<213> Balaenoptera acutorostrata
<400> 11
Ala Asp Lys Pro Asp Met Gly Glu Ile Ala Ser Phe Asp Lys Ala Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Glu
  20 25 30
Thr Ile Glu Gln Glu Lys Gln Ala Lys
 35
```

<210> 12 <211> 40

```
<212> PRT
<213> Arbacia punctulata
<400> 12
Ser Asp Lys Pro Asp Ile Ser Glu Val Ser Ser Phe Asp Lys Thr Lys
              10 15
Leu Lys Lys Thr Glu Thr Ala Glu Lys Asn Thr Leu Pro Thr Lys Glu
   20 25 30
Thr Ile Glu Gln Glu Leu Thr Ala
 35
<210> 13
<211> 44
<212> PRT
<213> Homo sapiens
<400> 13
Ser Asp Lys Pro Asp Leu Ser Glu Val Glu Thr Phe Asp Lys Ser Lys
1 5 10 15
Leu Lys Lys Thr Asn Thr Glu Glu Lys Asn Thr Leu Pro Ser Lys Glu
 20 25 30
Thr Ile Gln Gln Glu Lys Glu Tyr Asn Gln Arg Ser
    35 40
<210> 14
<211> 40
<212> PRT
<213> Argopecten irradians
<400> 14
Ser Asp Lys Pro Phe Val Ser Glu Val Ala Asn Phe Asp Lys Ser Lys
              10 15
Leu Lys Lys Thr Glu Thr Ala Glu Lys Asn Thr Leu Pro Thr Lys Glu
   20 25 30
Thr Ile Gln Gln Glu Lys Glu Ala
 35
```

<210> 15 <211> 40

```
<212> PRT
<213> Arbacia punctulata
<400> 15
Ala Asp Lys Pro Asp Val Ser Glu Val Ser Thr Phe Asp Lys Ser Lys
             10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Thr Leu Pro Thr Lys Asp
  20 25 30
Thr Ile Glu Gln Glu Lys Gln Gly
35 40
<210> 16
<211> 43
<212> PRT
<213> Homo sapiens
<400> 16
Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
20 25 30
Thr Ile Glu Gln Glu Lys Gln Ala Gly Glu Ser
    35 40
<210> 17
<211> 43
<212> PRT
<213> Rabbit
<400> 17
Ala Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys
1 5 10 15
Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu
  20 25 30
Thr Ile Glu Gln Glu Lys Gln Ala Gly Glu Ser
 35 40
```

<210> 18 <211> 43 <212> PRT

<213> Xenopus laevis

<400> 18

Ser Asp Lys Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ala Lys 1 5 10 15

Leu Lys Lys Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu 20 25 30

Thr Ile Glu Gln Glu Lys Gln Thr Ser Glu Ser 35

<210> 19

<211> 40

<212> PRT

<213> Arbacia punctulata

<400> 19

Ser Asp Lys Pro Asp Ile Ser Glu Val Ser Ser Phe Asp Lys Thr Lys 1 5 10 15

Leu Lys Lys Thr Glu Thr Ala Glu Lys Asn Thr Leu Pro Thr Lys Glu 20 25 30

Thr Ile Glu Gln Glu Lys Thr Ala 35 40